Appendix: Bluetooth Classic

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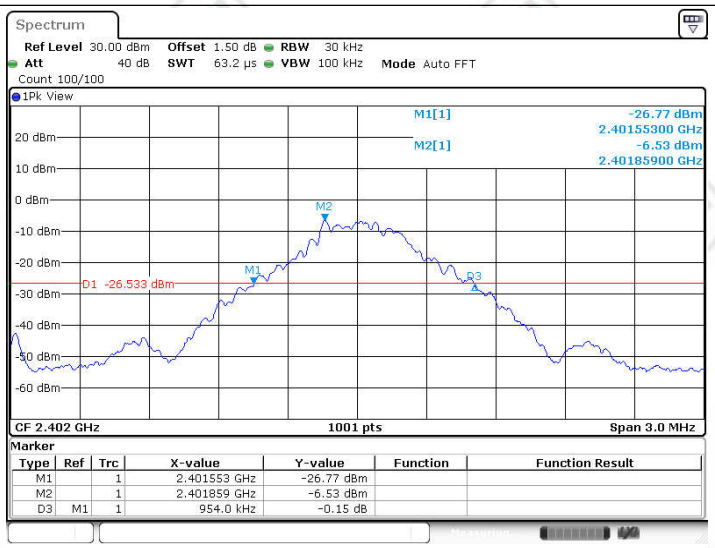
Appendix A: 20dB Emission Bandwidth

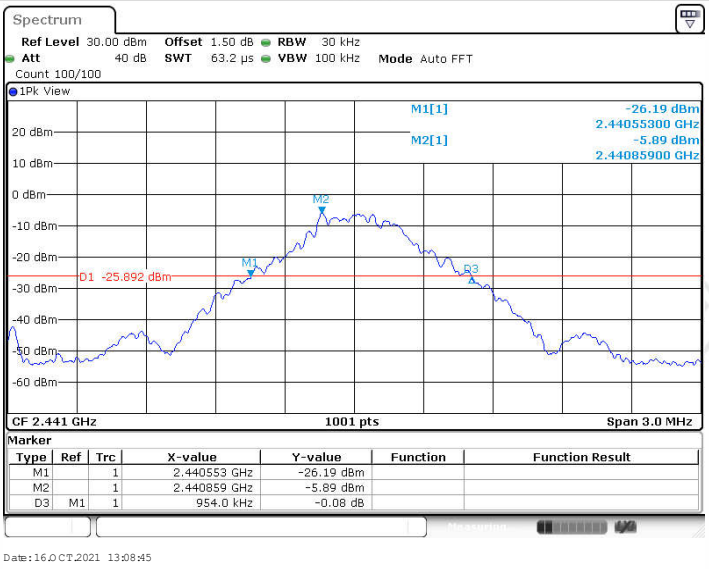
Test Result

Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.553	2402.507	---	PASS
		2441	0.954	2440.553	2441.507	---	PASS
		2480	0.954	2479.553	2480.507	---	PASS
2DH5	Ant1	2402	1.287	2401.388	2402.675	---	PASS
		2441	1.287	2440.388	2441.675	---	PASS
		2480	1.287	2479.391	2480.678	---	PASS

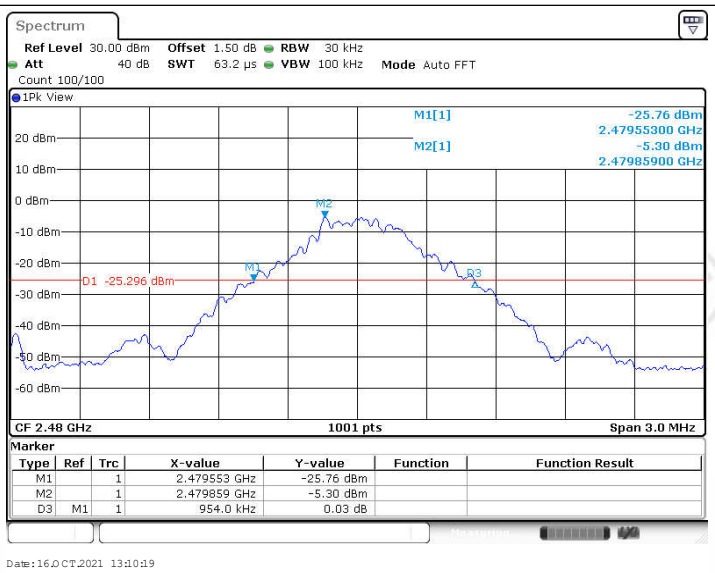
Test Graphs



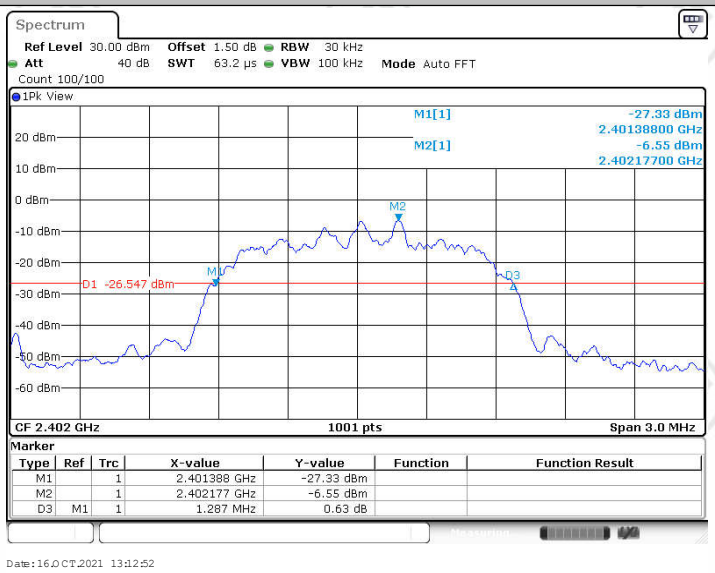
DH5_Ant1_2402



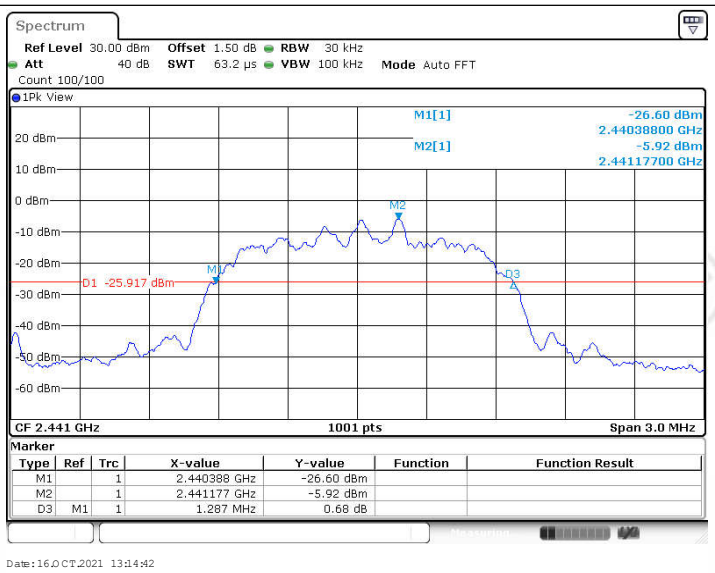
DH5_Ant1_2441



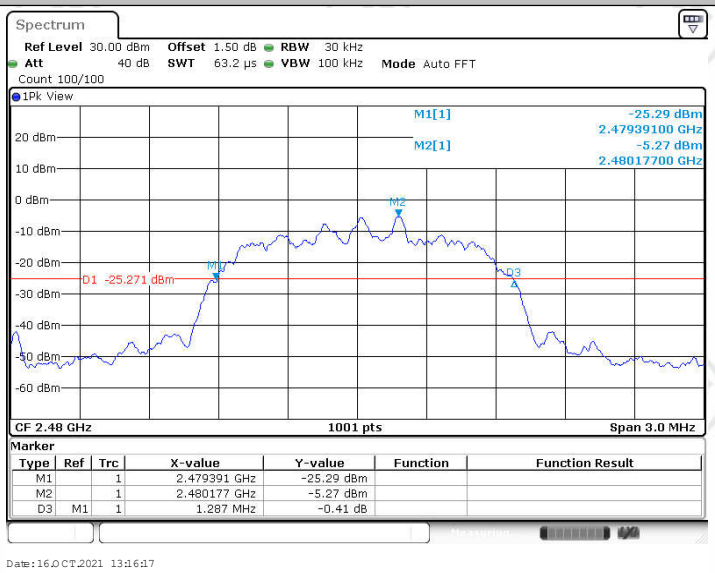
DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



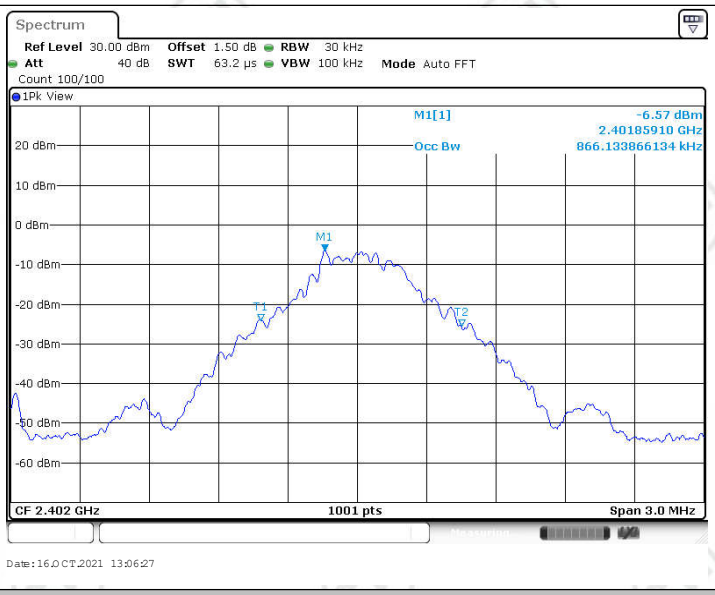
2DH5_Ant1_2480

Appendix B: Occupied Channel Bandwidth

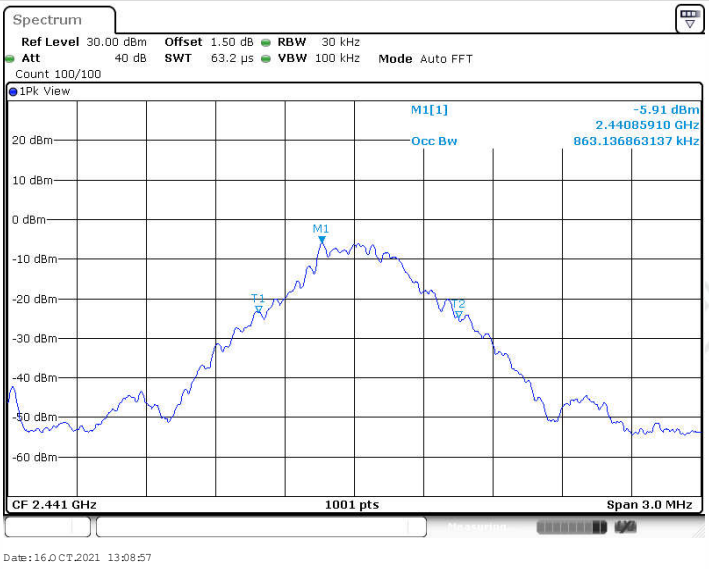
Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.866	2401.583	2402.450	---	PASS
		2441	0.863	2440.586	2441.450	---	PASS
		2480	0.866	2479.586	2480.453	---	PASS
2DH5	Ant1	2402	1.172	2401.434	2402.605	---	PASS
		2441	1.172	2440.434	2441.605	---	PASS
		2480	1.172	2479.434	2480.605	---	PASS

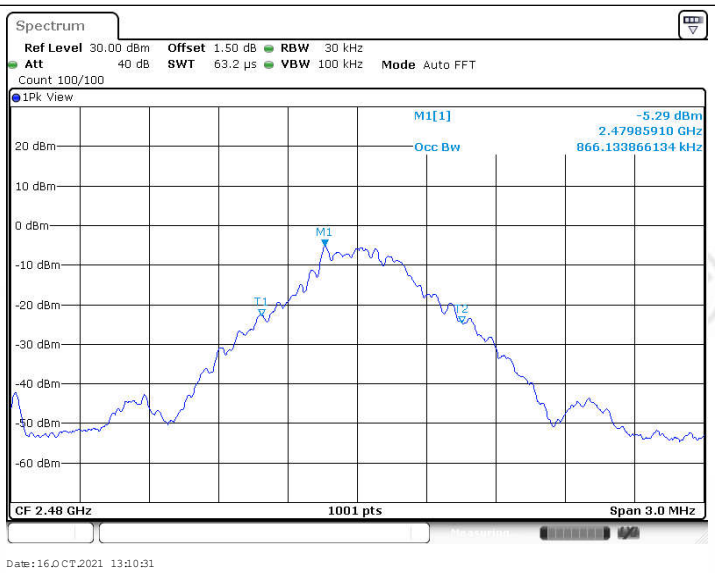
Test Graphs



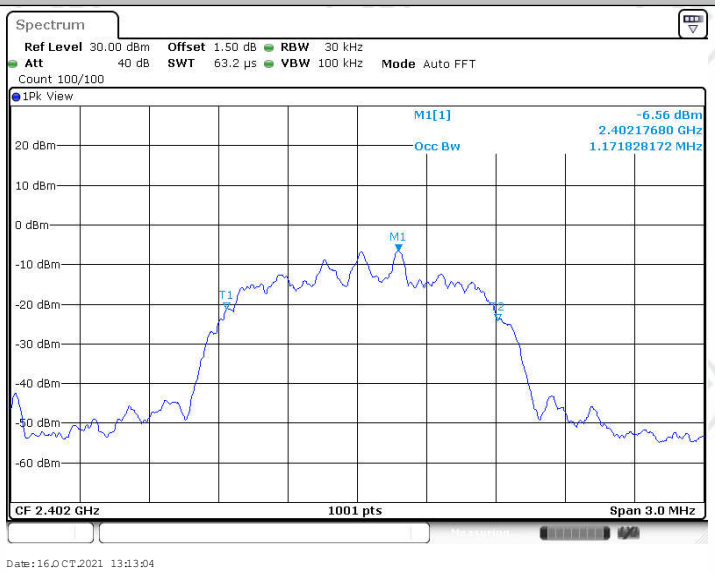
DH5_Ant1_2402



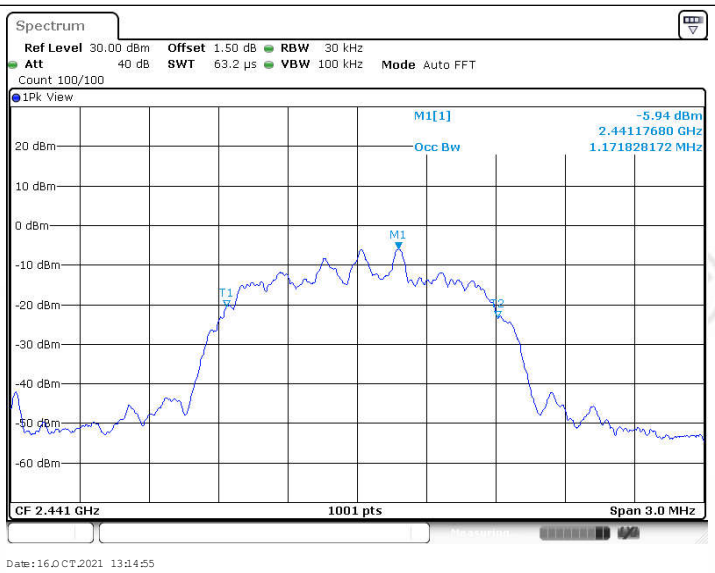
DH5_Ant1_2441



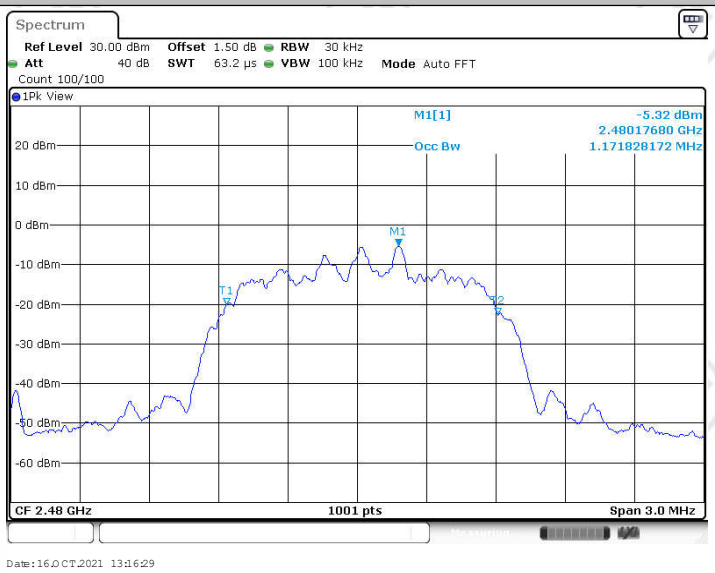
DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



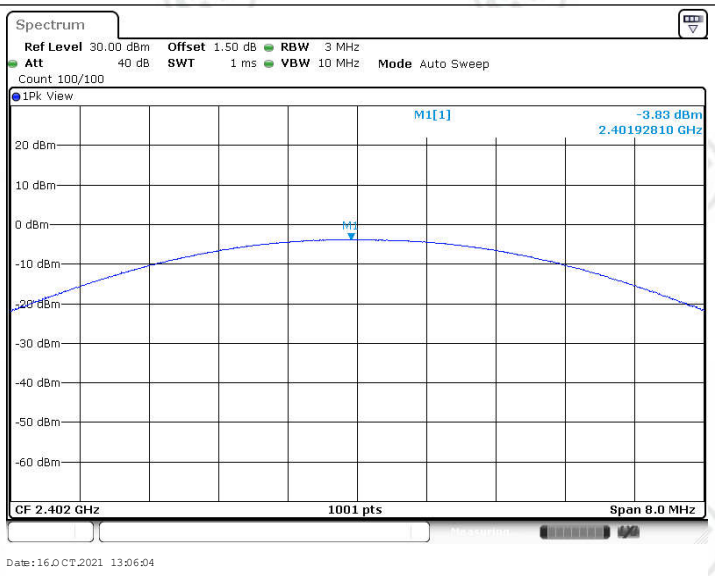
2DH5_Ant1_2480

Appendix C: Maximum conducted output power

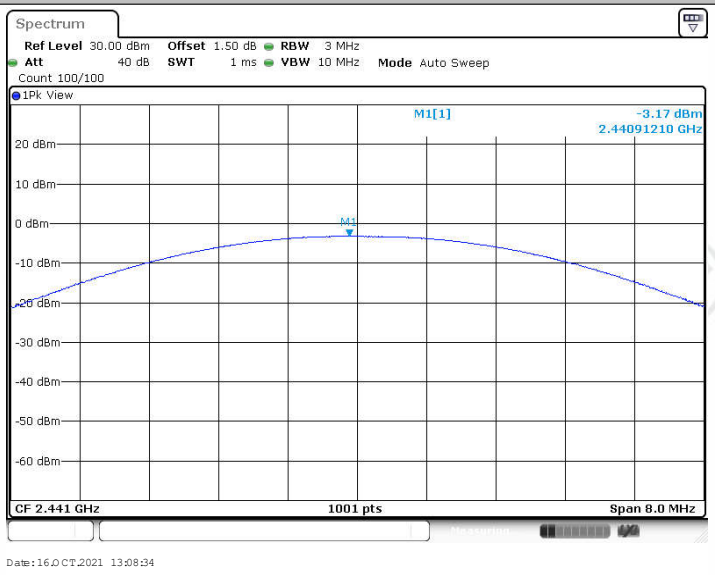
Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-3.83	<=30	PASS
		2441	-3.17	<=20.97	PASS
		2480	-2.62	<=20.97	PASS
2DH5	Ant1	2402	-2.95	<=30	PASS
		2441	-2.31	<=20.97	PASS
		2480	-1.71	<=20.97	PASS

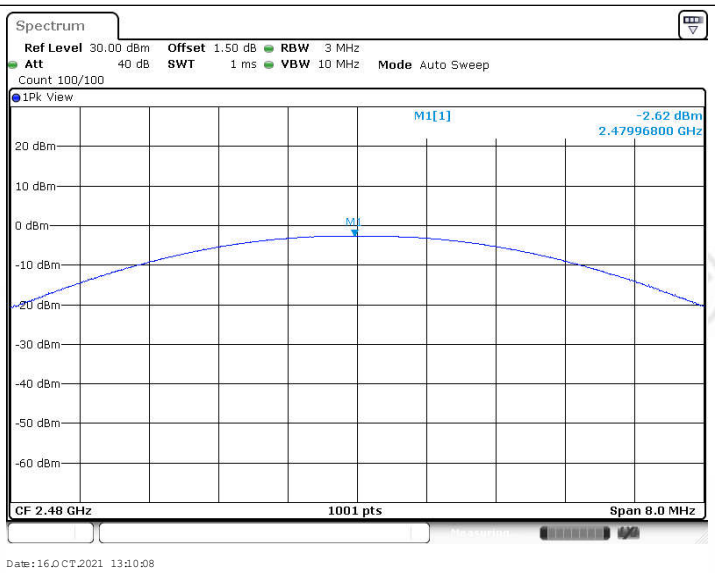
Test Graphs



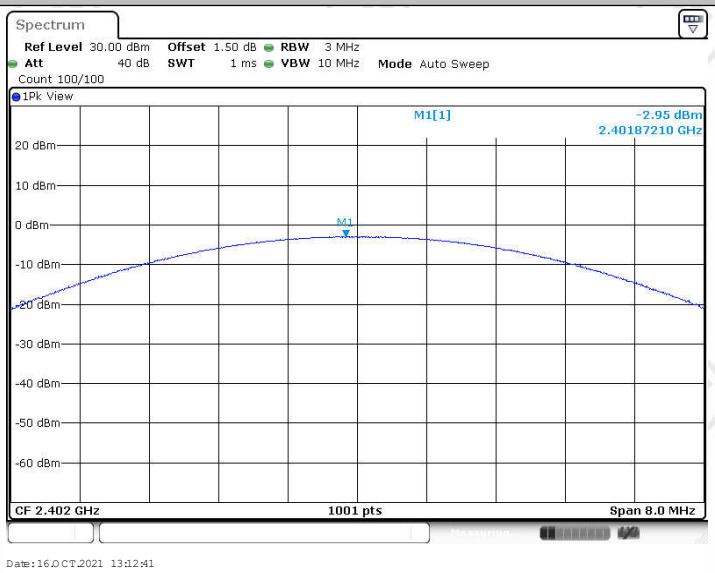
DH5_Ant1_2402



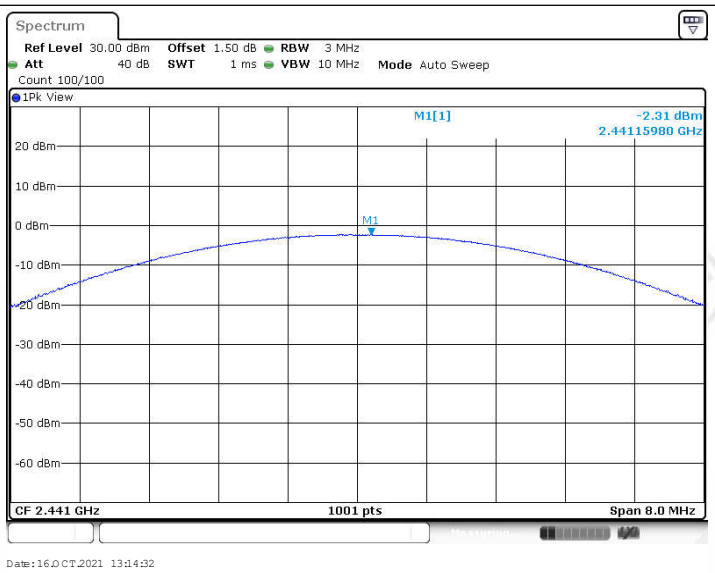
DH5_Ant1_2441



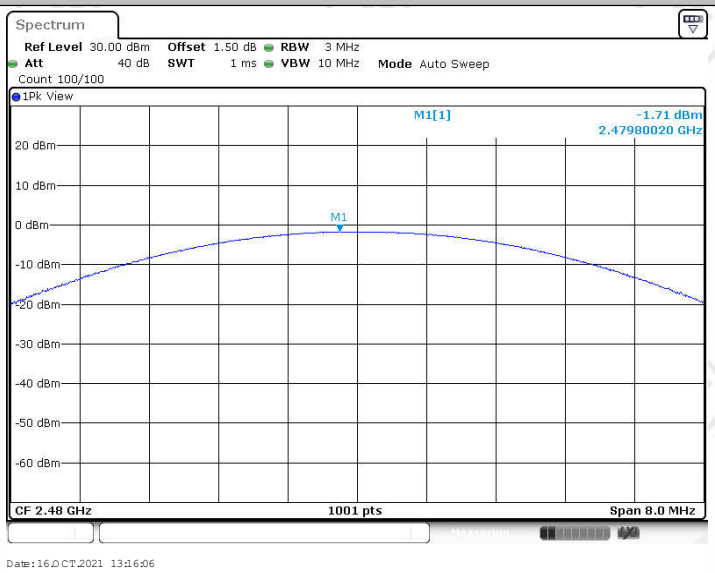
DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



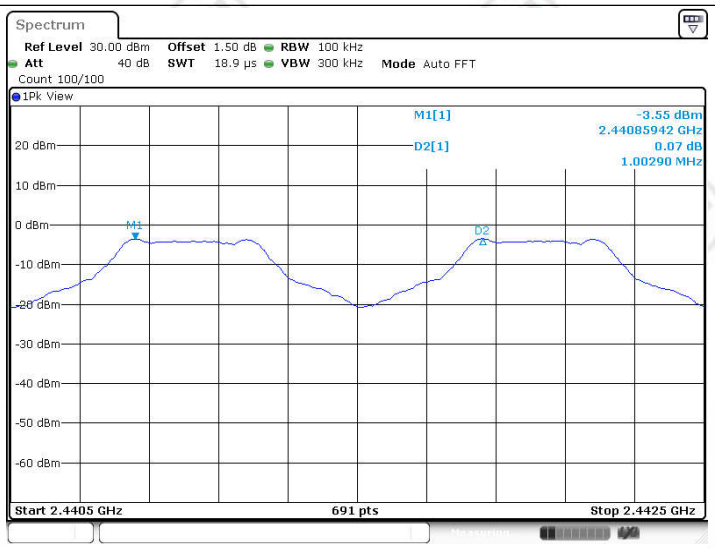
2DH5_Ant1_2480

Appendix D: Carrier frequency separation

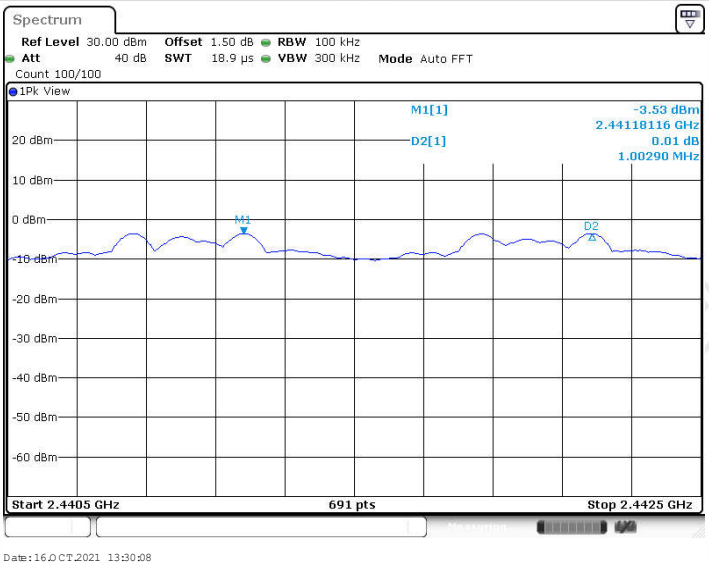
Test Result

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.003	>=0.954	PASS
2DH5	Ant1	Hop	1.003	>=0.858	PASS

Test Graphs



DH5_Ant1_Hop



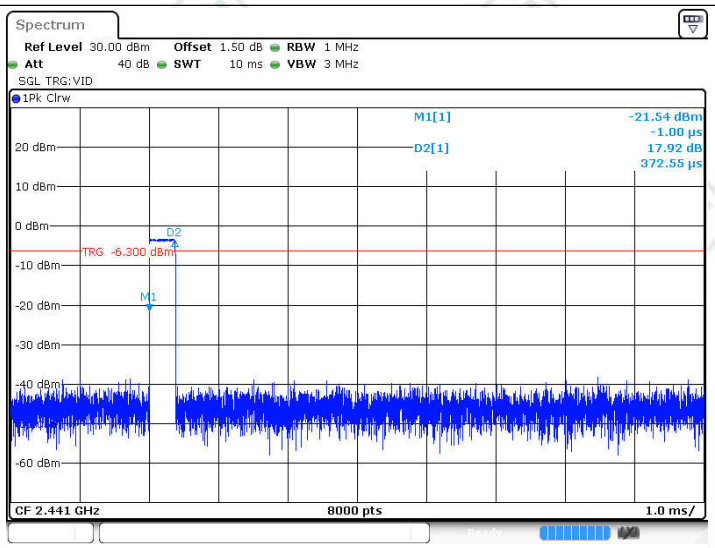
2DH5_Ant1_Hop

Appendix E: Time of occupancy

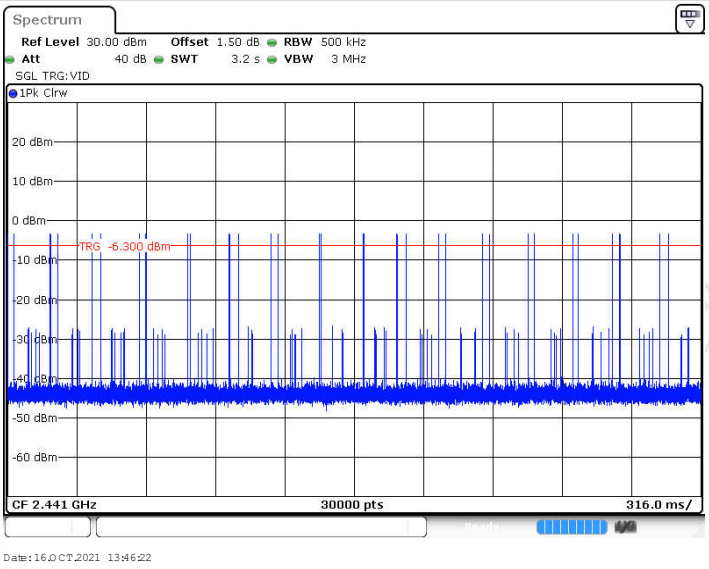
Test Result

Test Mode	Antenna	Channel	Burst Width [ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	320	0.119	<=0.4	PASS
DH3	Ant1	Hop	1.62	160	0.259	<=0.4	PASS
DH5	Ant1	Hop	2.86	110	0.315	<=0.4	PASS
2DH1	Ant1	Hop	0.38	320	0.122	<=0.4	PASS
2DH3	Ant1	Hop	1.63	160	0.26	<=0.4	PASS
2DH5	Ant1	Hop	2.87	110	0.315	<=0.4	PASS

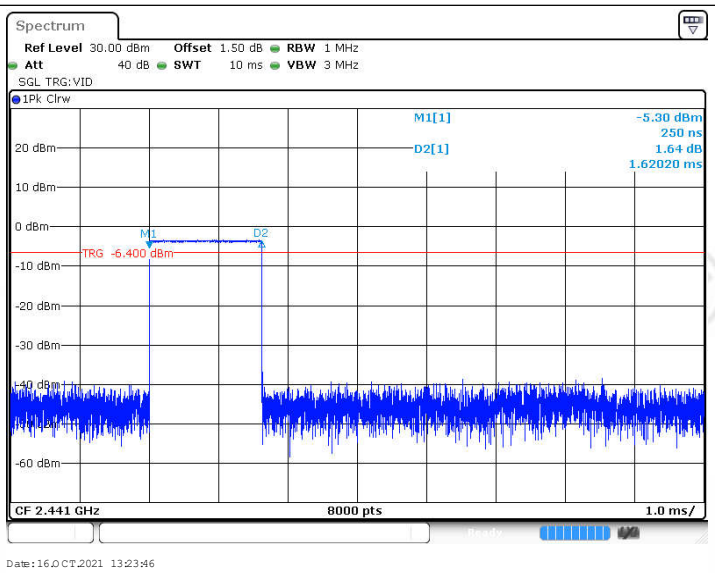
Test Graphs



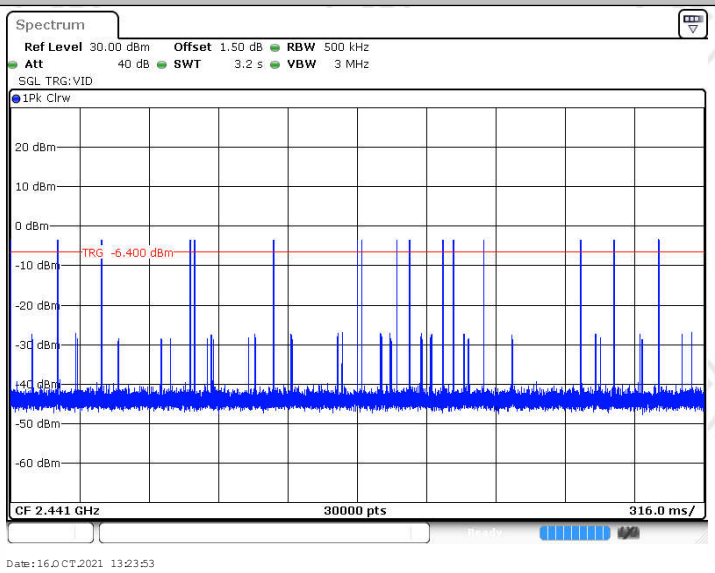
DH1_Ant1_Hop



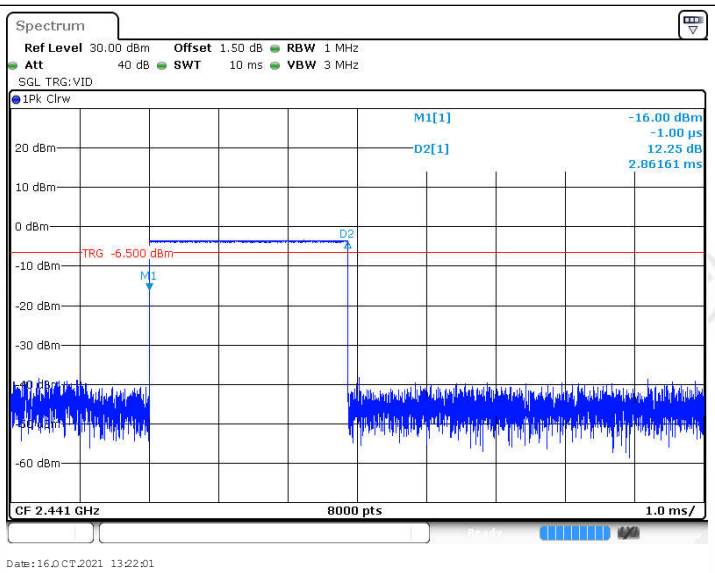
DH1_Ant1_Hop



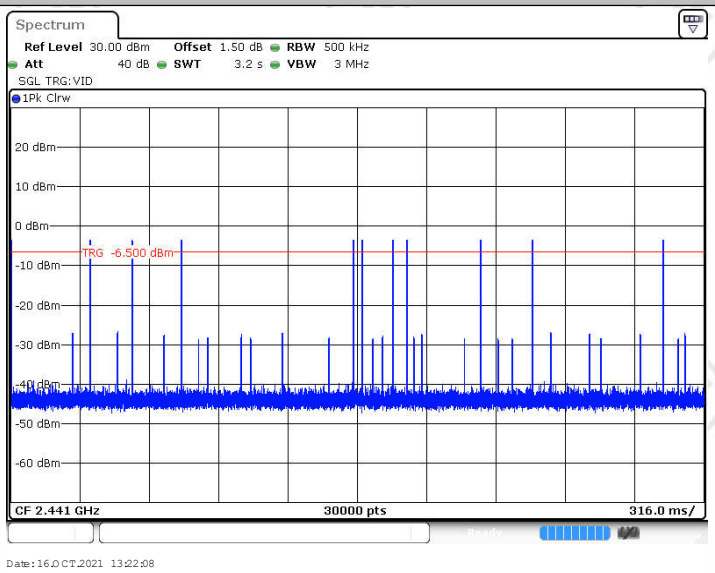
DH3_Ant1_Hop



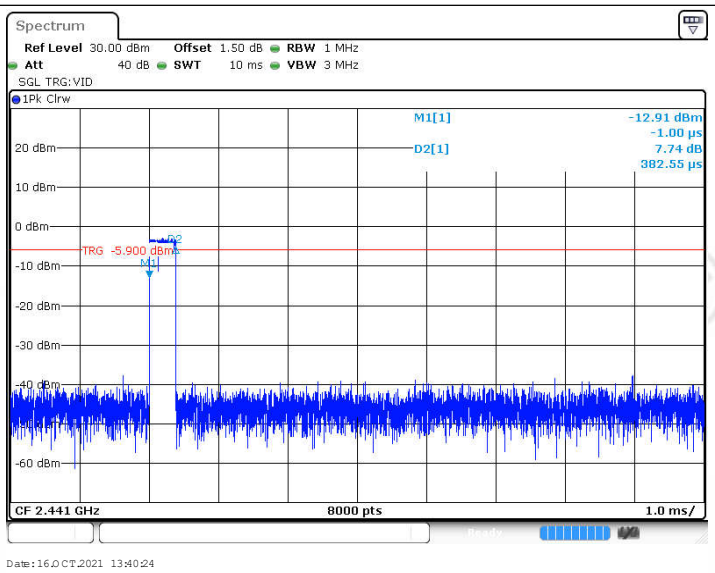
DH3_Ant1_Hop



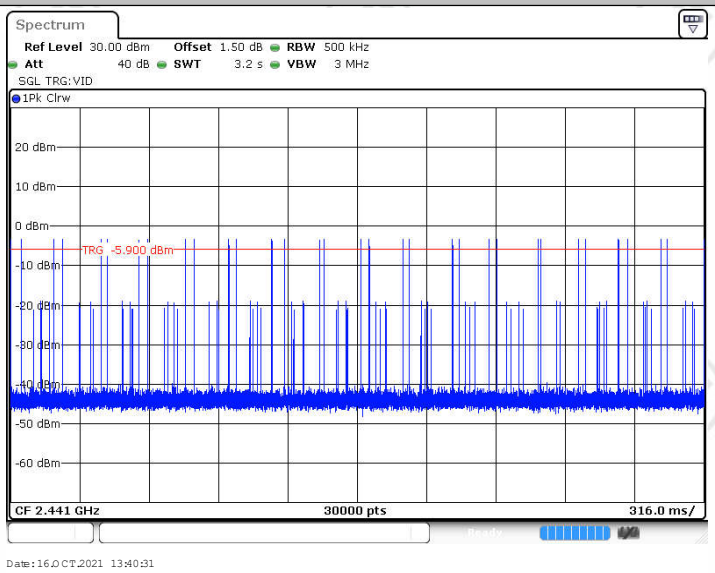
DH5_Ant1_Hop



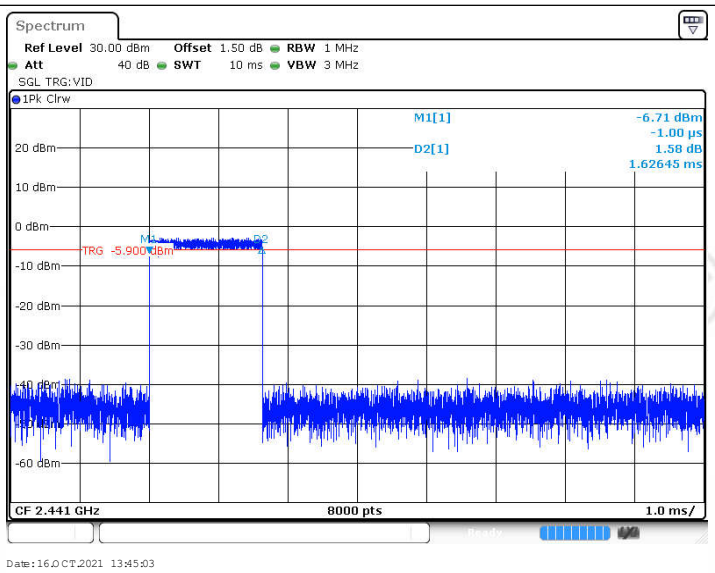
DH5_Ant1_Hop



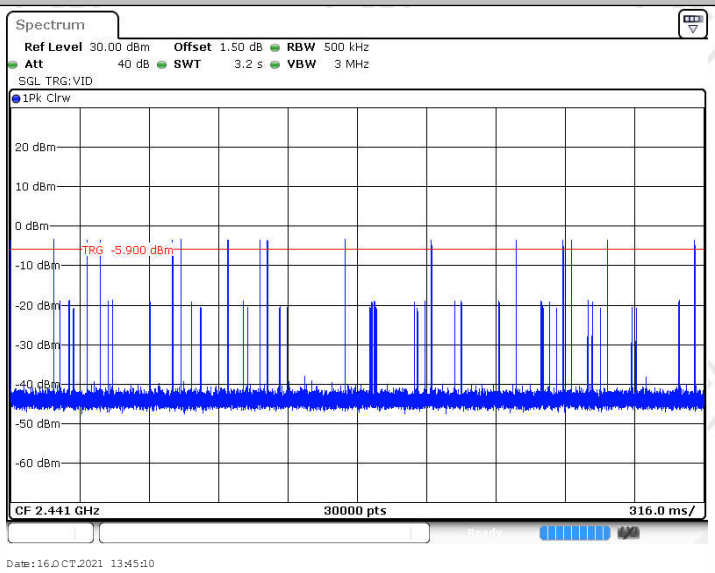
2DH1_Ant1_Hop



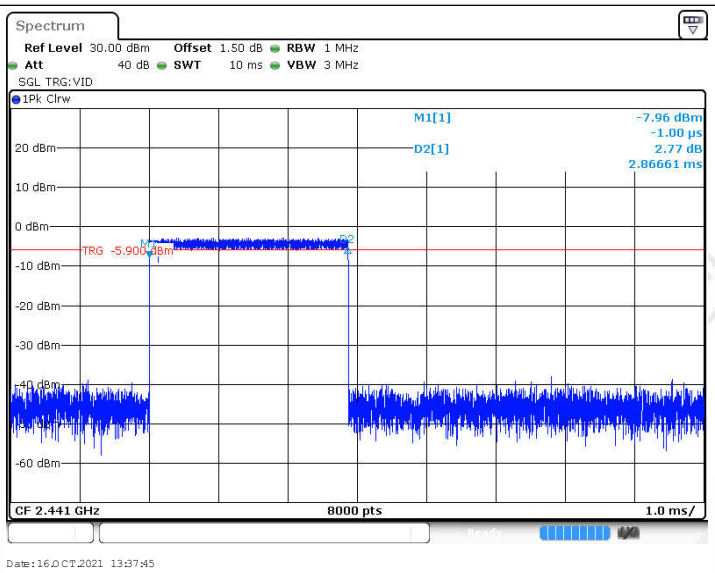
2DH1_Ant1_Hop



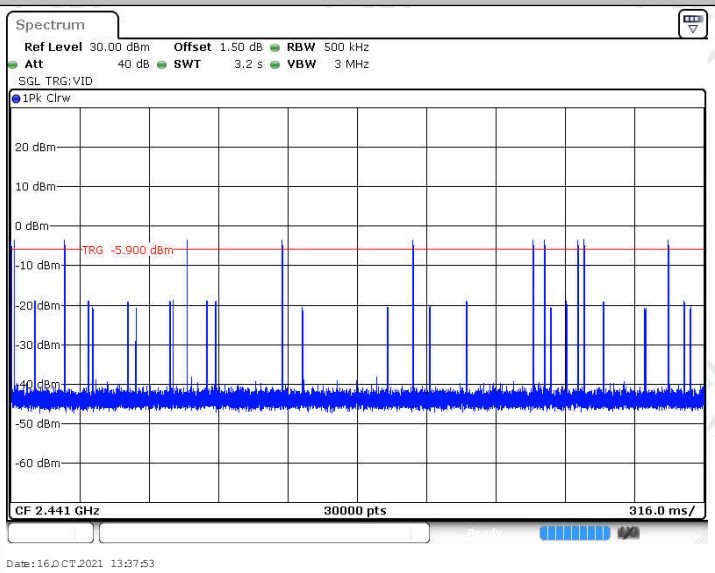
2DH3_Ant1_Hop



2DH3_Ant1_Hop



2DH5_Ant1_Hop



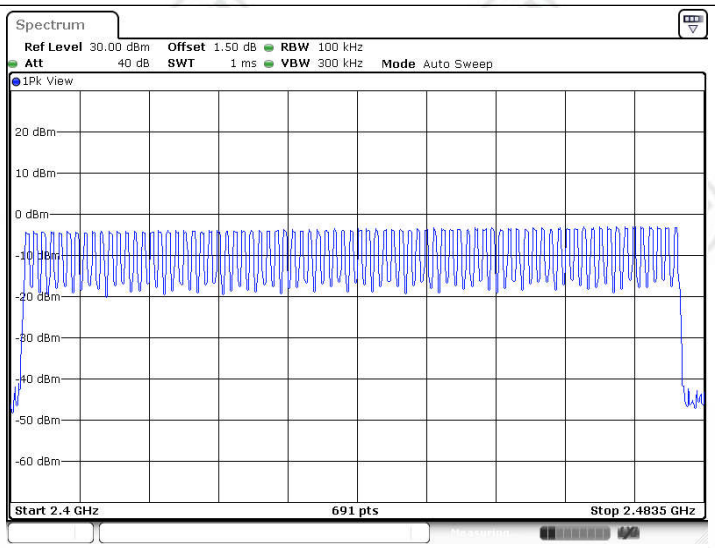
2DH5_Ant1_Hop

Appendix F: Number of hopping channels

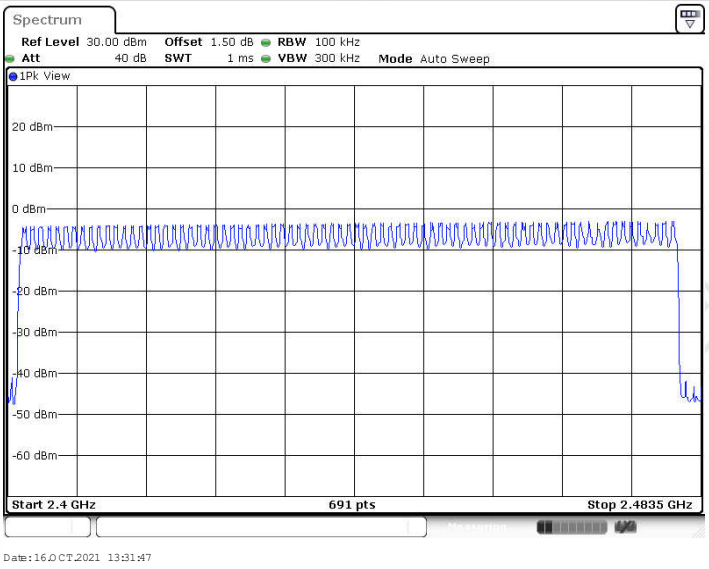
Test Result

Test Mode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	>=15	PASS
2DH5	Ant1	Hop	79	>=15	PASS

Test Graphs



DH5_Ant1_Hop



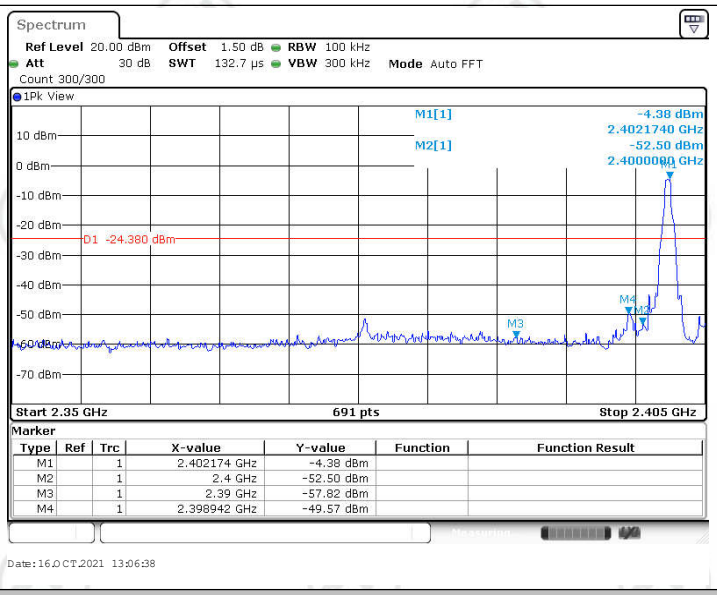
2DH5_Ant1_Hop

Appendix G: Band edge measurements

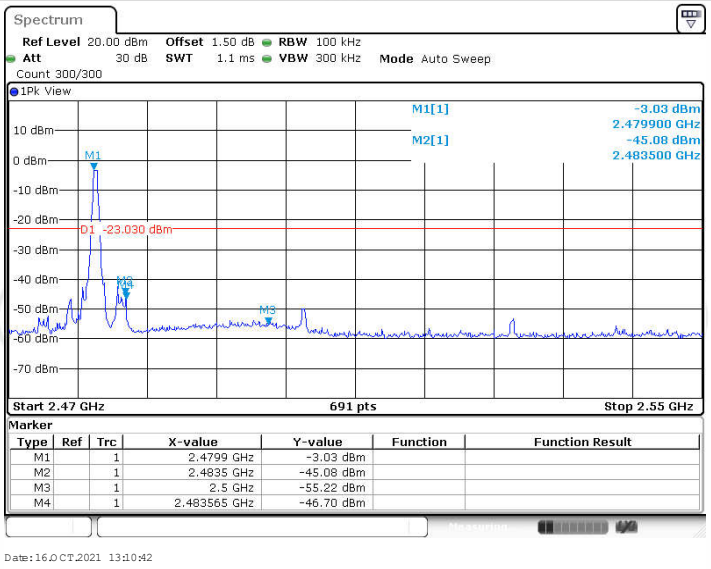
Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.38	-49.57	<=-24.38	PASS
		High	2480	-3.03	-46.7	<=-23.03	PASS
		Low	Hop_2402	-4.76	-50.91	<=-24.76	PASS
		High	Hop_2480	-3.33	-50.44	<=-23.33	PASS
2DH5	Ant1	Low	2402	-4.20	-50.27	<=-24.2	PASS
		High	2480	-3.11	-46.75	<=-23.11	PASS
		Low	Hop_2402	-4.95	-53.25	<=-24.95	PASS
		High	Hop_2480	-3.02	-49.31	<=-23.02	PASS

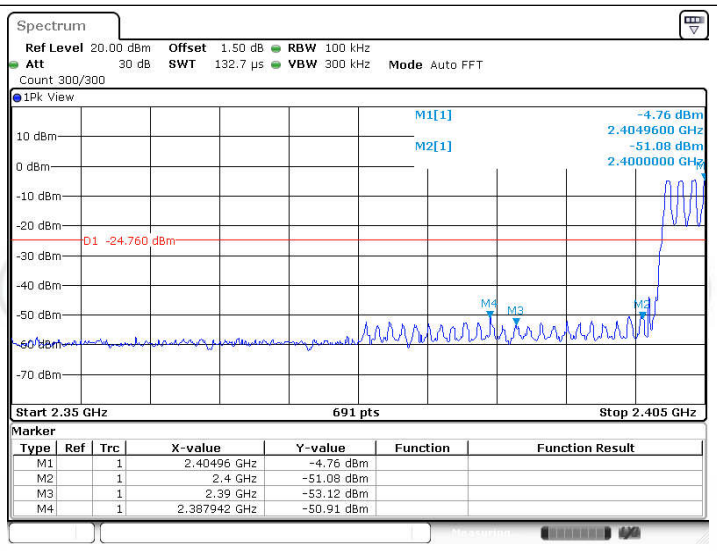
Test Graphs



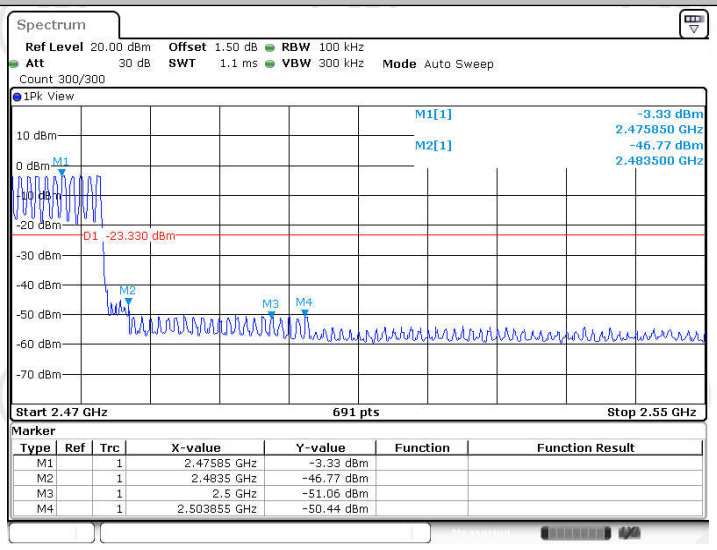
DH5_Ant1_Low_2402



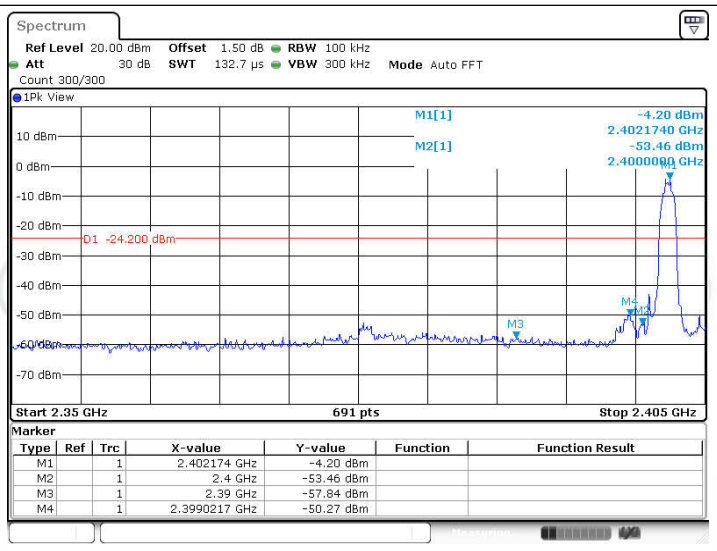
DH5_Ant1_High_2480



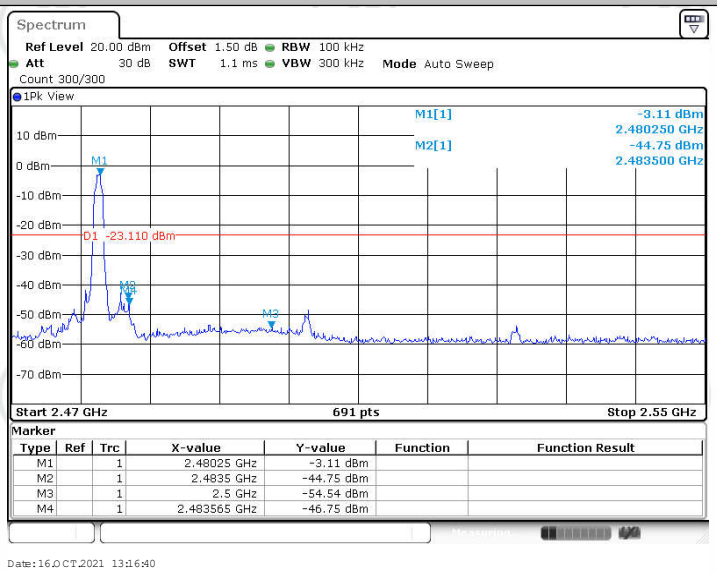
DH5_Ant1_Low_Hop_2402



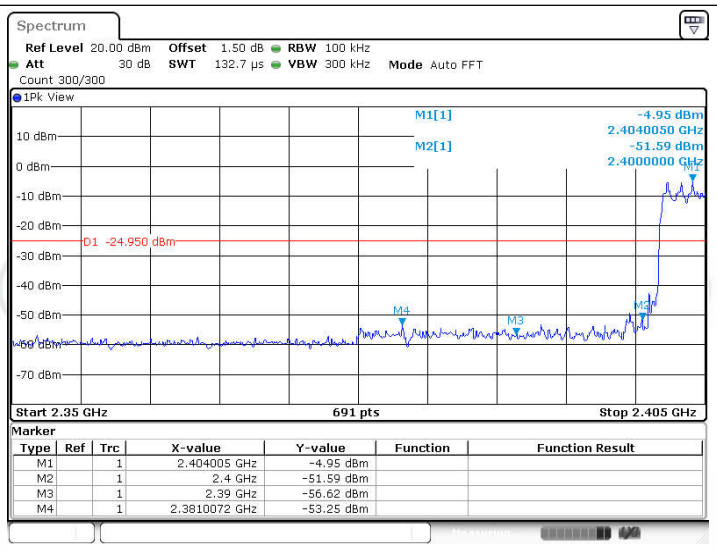
DH5_Ant1_High_Hop_2480



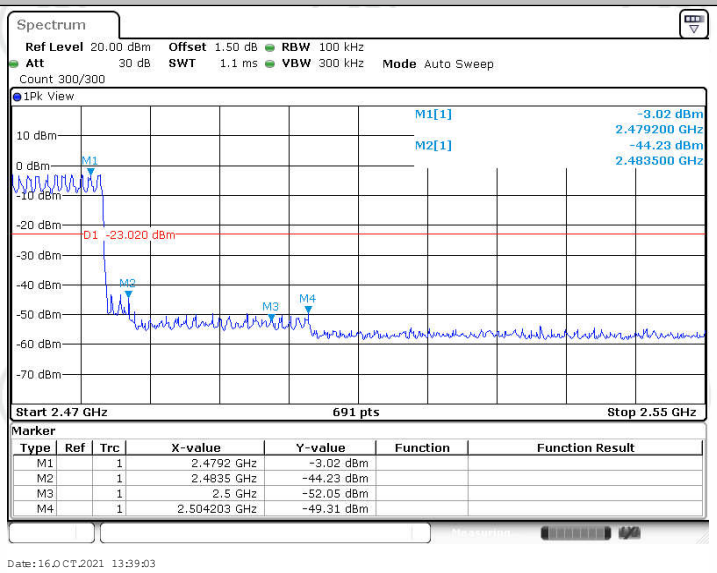
2DH5_Ant1_Low_2402



2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



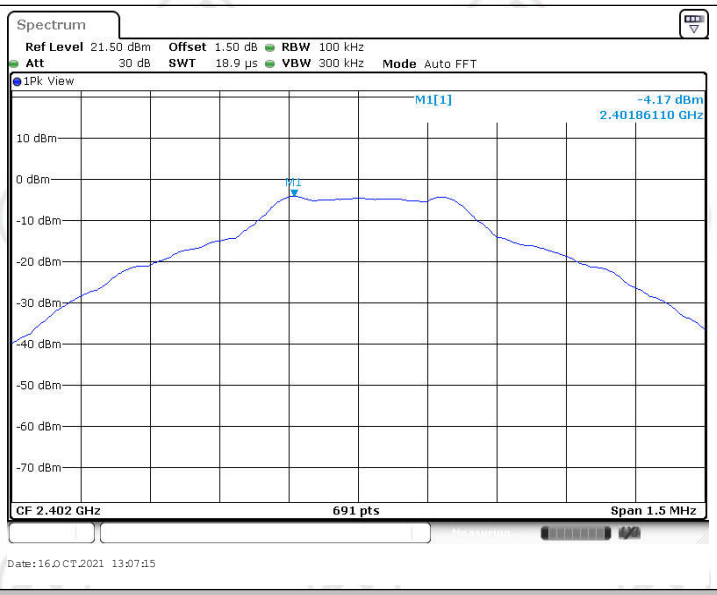
2DH5_Ant1_High_Hop_2480

Appendix H: Conducted Spurious Emission

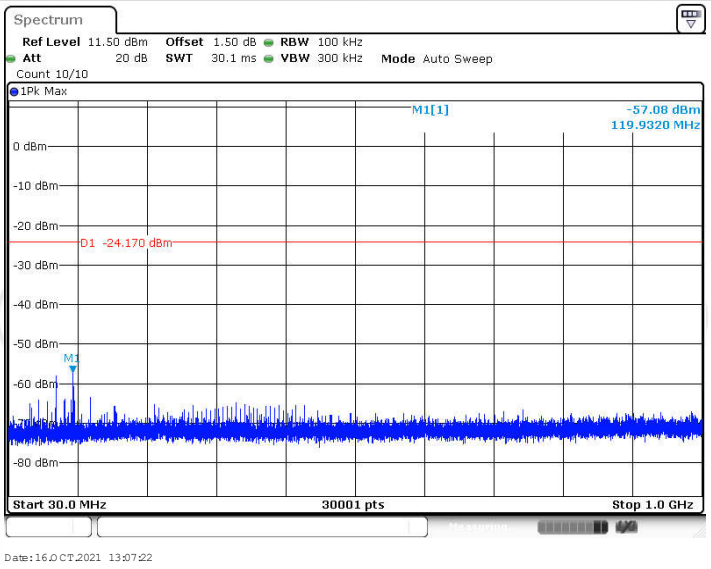
Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.17	-4.17	---	PASS
			30~1000	-4.17	-57.08	<=-24.17	PASS
			1000~26500	-4.17	-28.7	<=-24.17	PASS
		2441	Reference	-3.60	-3.60	---	PASS
			30~1000	-3.60	-58.49	<=-23.6	PASS
			1000~26500	-3.60	-47.13	<=-23.6	PASS
		2480	Reference	-2.98	-2.98	---	PASS
			30~1000	-2.98	-58.6	<=-22.98	PASS
			1000~26500	-2.98	-46.39	<=-22.98	PASS
2DH5	Ant1	2402	Reference	-4.22	-4.22	---	PASS
			30~1000	-4.22	-59.59	<=-24.22	PASS
			1000~26500	-4.22	-47.51	<=-24.22	PASS
		2441	Reference	-3.63	-3.63	---	PASS
			30~1000	-3.63	-58.94	<=-23.63	PASS
			1000~26500	-3.63	-47.2	<=-23.63	PASS
		2480	Reference	-3.01	-3.01	---	PASS
			30~1000	-3.01	-58.42	<=-23.01	PASS
			1000~26500	-3.01	-46.34	<=-23.01	PASS

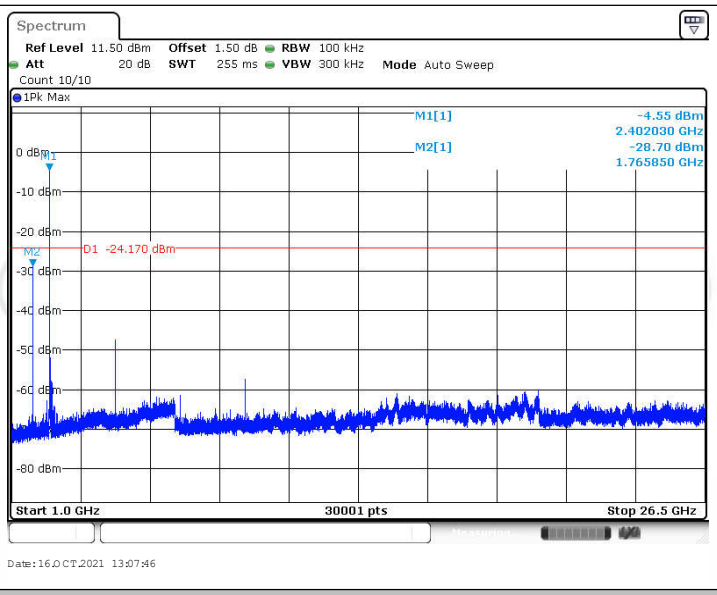
Test Graphs



DH5_Ant1_2402_0~Reference

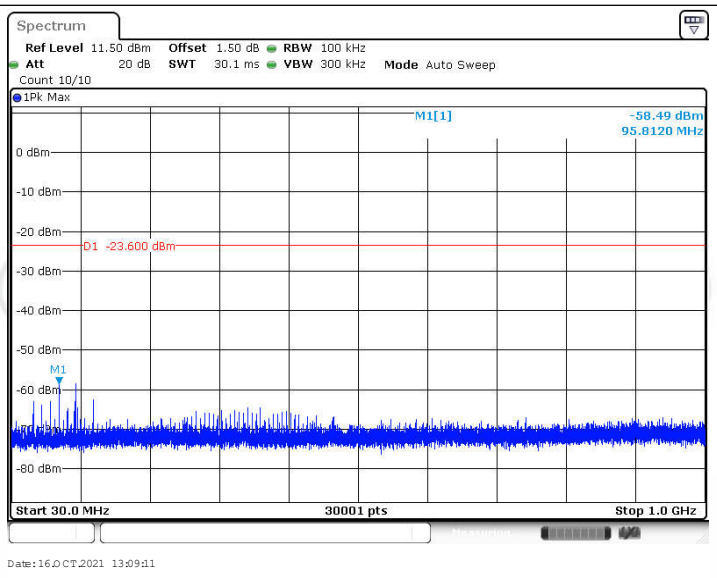


DH5_Ant1_2402_30~1000

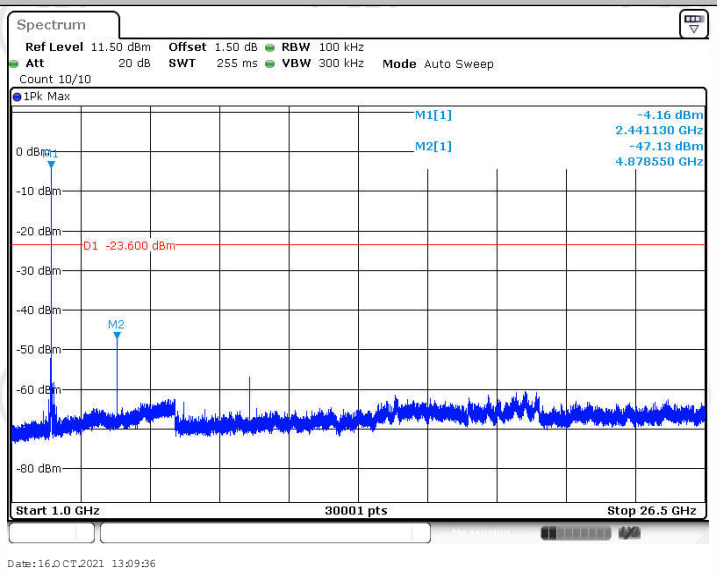


DH5_Ant1_2402_1000~26500

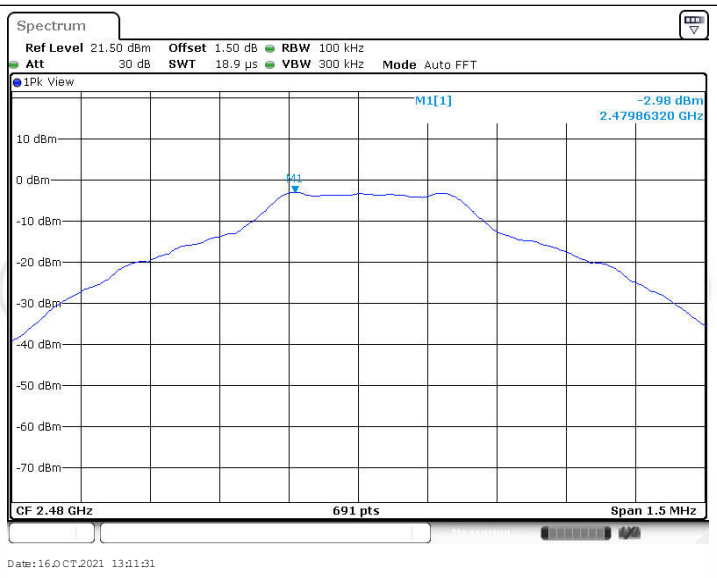
DH5_Ant1_2441_0~Reference



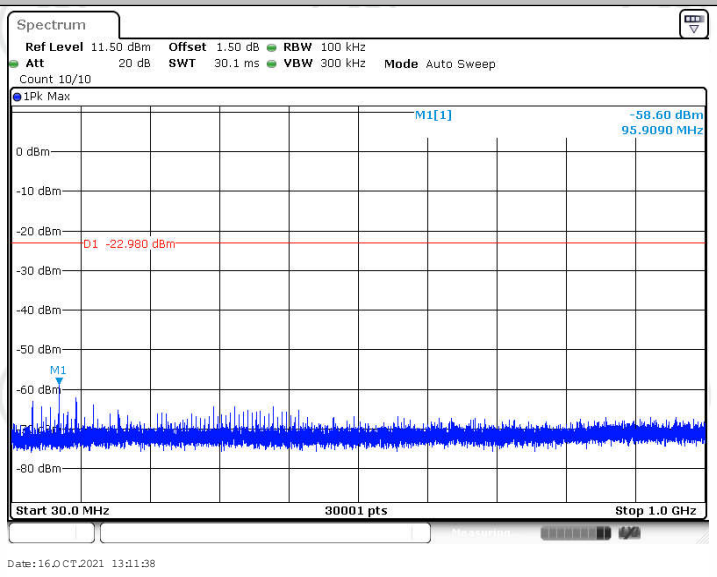
DH5_Ant1_2441_30~1000



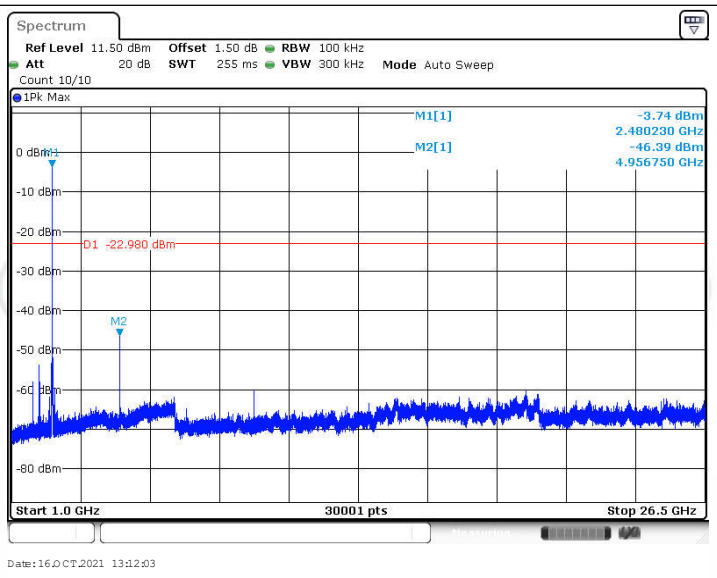
DH5_Ant1_2441_1000~26500



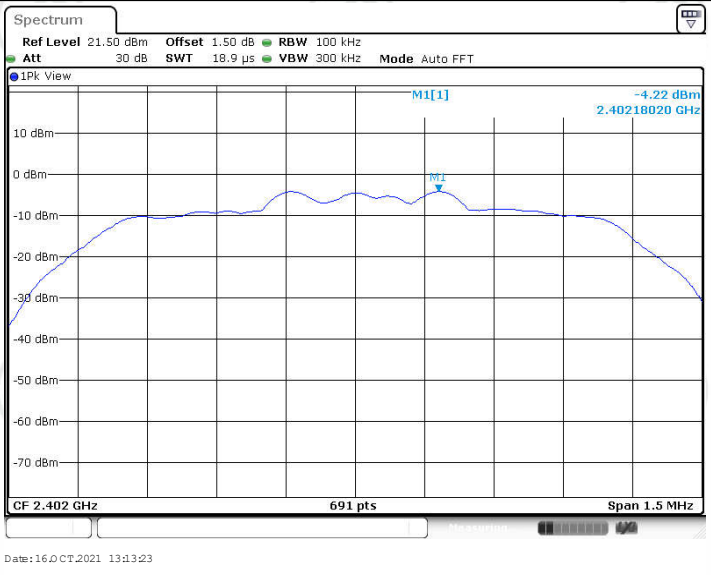
DH5_Ant1_2480_0~Reference



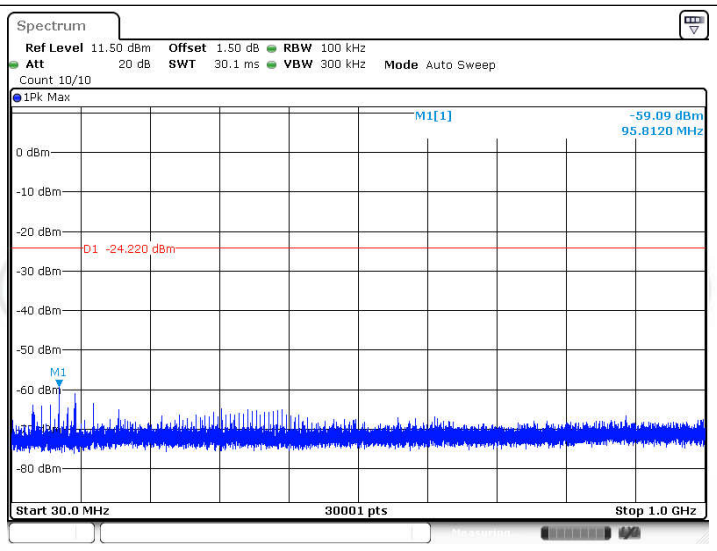
DH5_Ant1_2480_30~1000



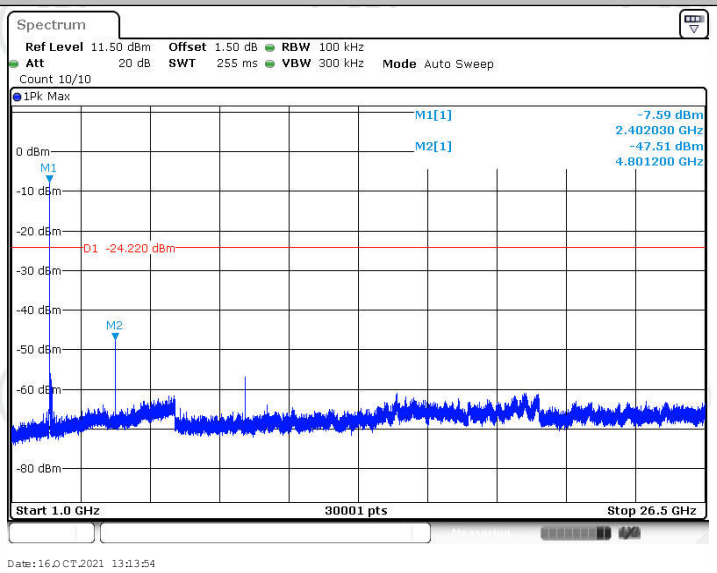
DH5_Ant1_2480_1000~26500



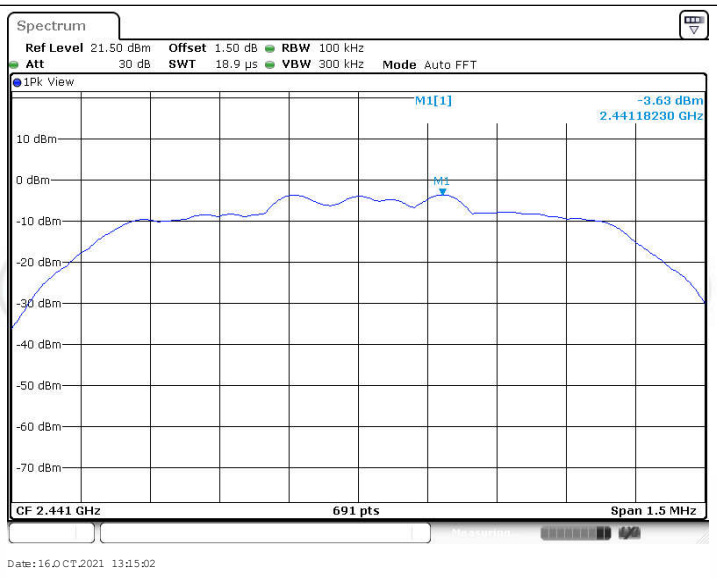
2DH5_Ant1_2402_0~Reference



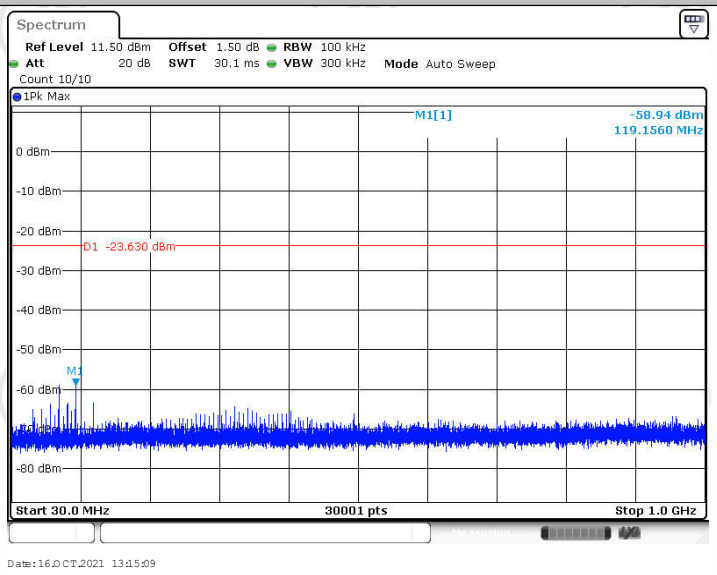
2DH5_Ant1_2402_30~1000



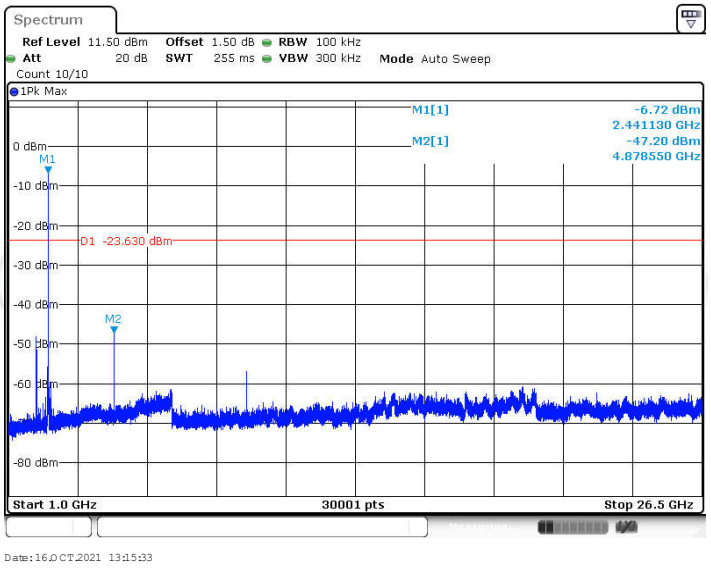
2DH5_Ant1_2402_1000~26500



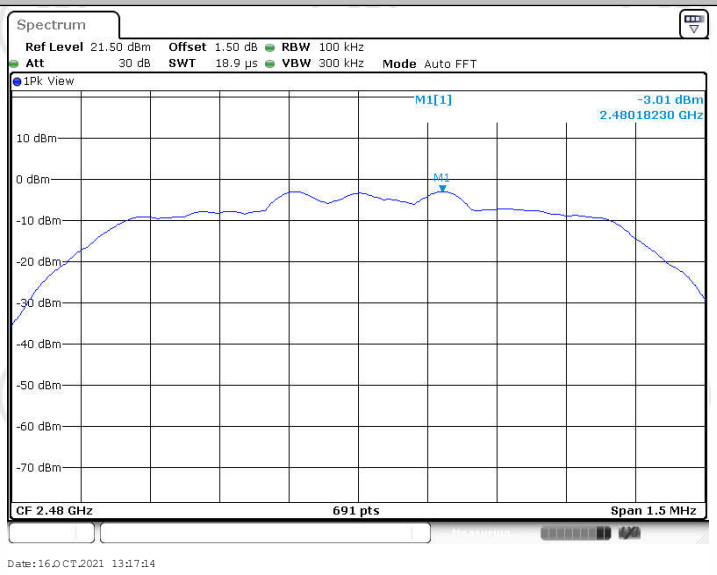
2DH5_Ant1_2441_0~Reference



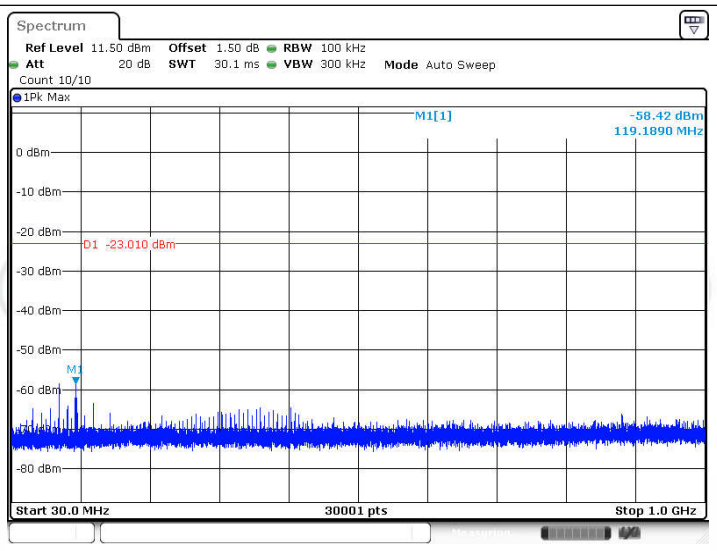
2DH5_Ant1_2441_30~1000



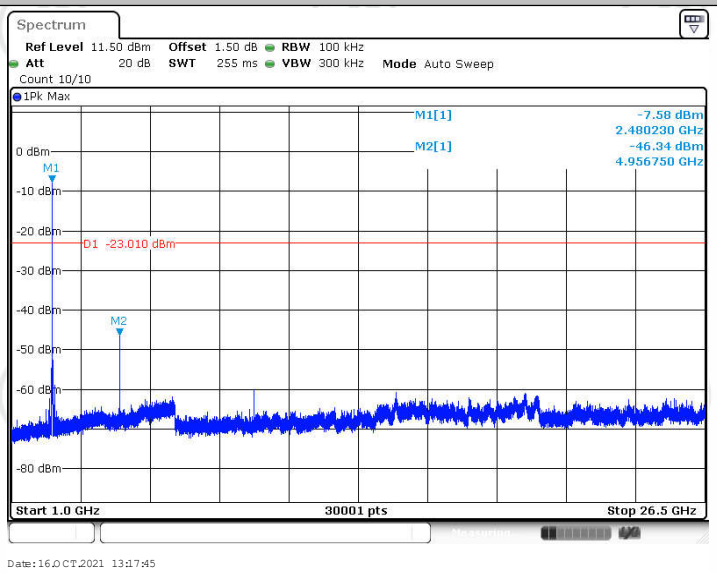
2DH5_Ant1_2441_1000~26500



2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



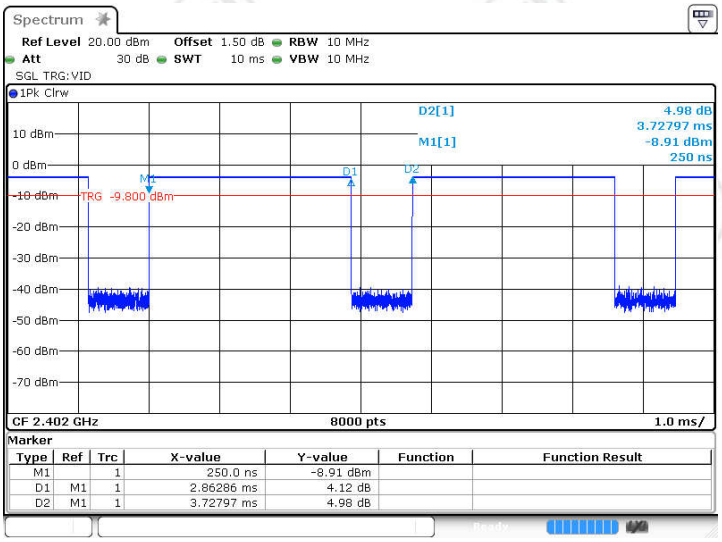
2DH5_Ant1_2480_1000~26500

Appendix I: Duty Cycle

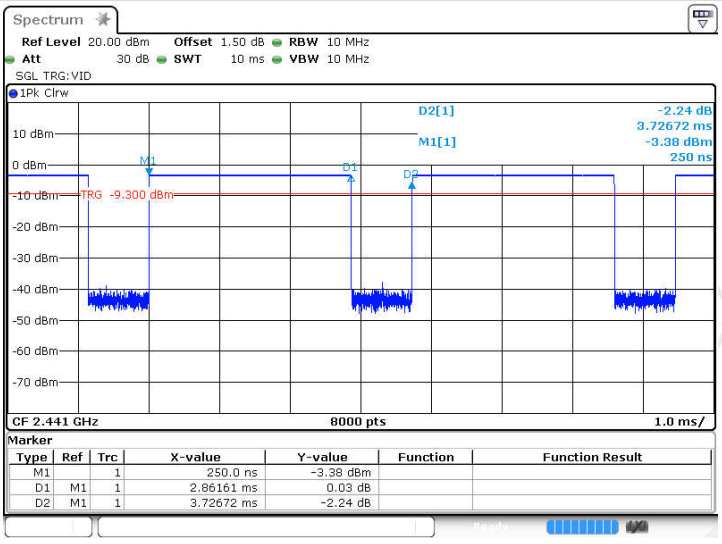
Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
DH5	Ant1	2402	2.86	3.73	76.68	---	PASS
		2441	2.86	3.73	76.68	---	PASS
		2480	2.86	3.73	76.68	---	PASS
2DH5	Ant1	2402	2.87	3.73	76.94	---	PASS
		2441	2.87	3.73	76.94	---	PASS
		2480	2.87	3.73	76.94	---	PASS

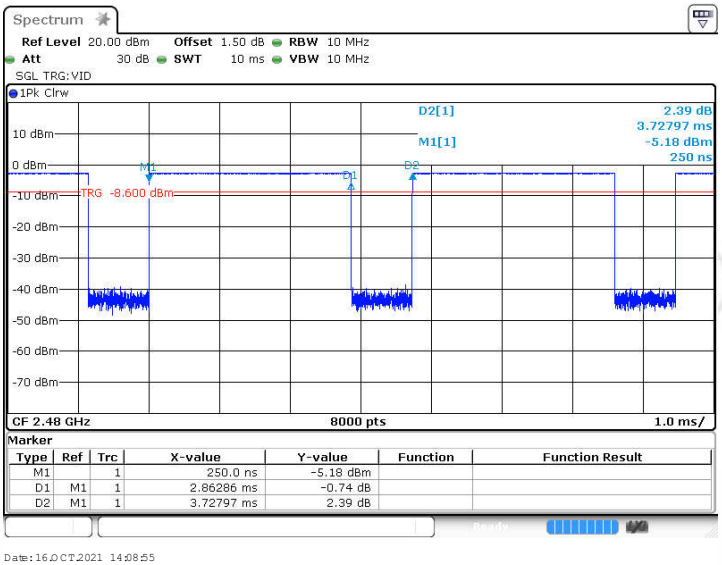
Test Graphs



DH5_Ant1_2402



DH5_Ant1_2441



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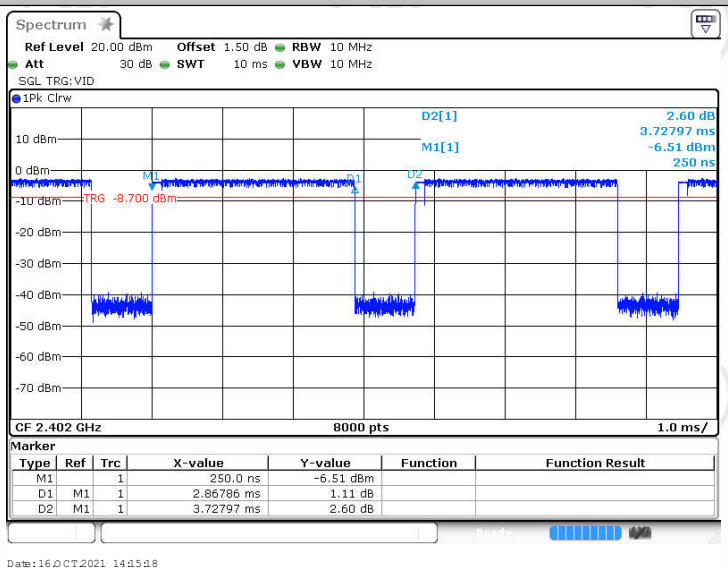

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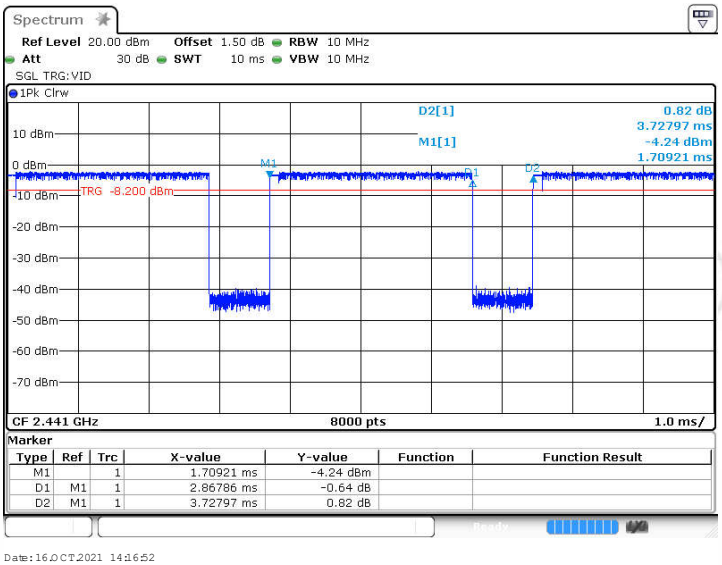

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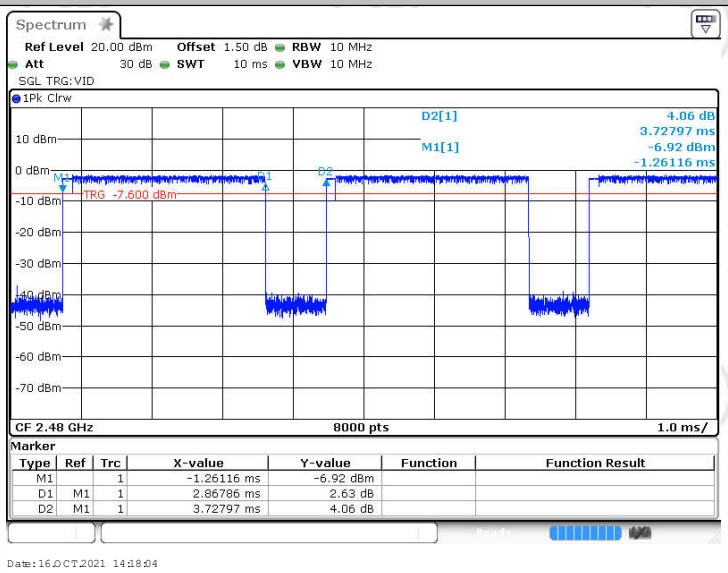

2DH5_Ant1_2480

*** End of Report ***